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## WHAT IS CLAIMED IS:

1. In a picture archiving and communication system (PACS), a method of processing raw image data at a PACS display workstation, the method comprising:

retrieving from a PACS database, using a PACS workstation, raw image data delivered from an imaging modality;

selecting from a PACS database, using the PACS workstation, a first preprocessing function for the raw image data delivered from the imaging modality;

processing said raw image data at the PACS display workstation by applying the first preprocessing function to the raw image data to create resultant image data.

- 2. The method of claim 1, wherein the step of retrieving raw image data further comprises retrieving frequency preprocessed raw image data.
- 3. The method of claim 1, wherein the step of retrieving raw image data further comprises contrast preprocessed raw image data.
- 4. The method of claim 2, wherein the step of selecting further comprises selecting a contrast preprocessing function.
- 5. The method of claim 3, wherein the step of selecting further comprises selecting a frequency preprocessing function.
- 6. The method of claim 4, wherein the step of selecting further comprises selecting a contrast preprocessing function characterized by at least one of a GT, GA, GC, and GS preprocessing parameter.
- 7. The method of claim 5, wherein the step of selecting further comprises selecting a frequency preprocessing function characterized by at least one of a RN, RE, and RT preprocessing parameter.
- 8. The method of claim 1, further comprising the step of applying an image processing function to the resultant image data to create processed resultant image data.

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- 9. The method of claim 8, further comprising the step of displaying the processed resultant image data.
- 10. The method of claim 1, further comprising the step of storing the resultant image data in the PACS database for future retrieval.
- 11. In a picture archiving and communication system (PACS), a PACS display workstation comprising:

a processing circuit;

a PACS network interface coupled to the processing circuit; and

a software memory coupled to the processing circuit, the software memory storing instructions for:

retrieving from a PACS database raw image data delivered from an imaging modality;

selecting from a PACS database a first preprocessing function for the raw image data delivered from the imaging modality, the preprocessing function;

processing said raw image data at the PACS display workstation by applying the first preprocessing function to the raw image data to create resultant image data.

- 12. The PACS display workstation of claim 11, wherein the raw image data corresponds to an anatomical region, and wherein the preprocessing function is selected based on the anatomical region.
- 13. The PACS display workstation of claim 11, wherein the raw image data is frequency preprocessed raw image data.
- 14. The PACS display workstation of claim 11, wherein the raw image data is contrast preprocessed raw image data.
- 15. The PACS display workstation of claim 13, wherein the preprocessing function is a contrast preprocessing function.
- 16. The PACS display workstation of claim 14, wherein the preprocessing function is a frequency preprocessing function.

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- 17. The PACS display workstation of claim 15, wherein the contrast preprocessing function characterized by at least one of a GT, GA, GC, and GS preprocessing parameter.
- 18. The PACS display workstation of claim 16, wherein the frequency preprocessing function characterized by at least one of a RN, RE, and RT preprocessing parameter.
- 19. The PACS display workstation of claim 11, wherein the software memory further comprises instructions for applying an image processing function to the resultant image data.
- 20. The PACS display workstation of claim 11, wherein the software memory further comprises instructions for storing the resultant image data in the PACS database for future retrieval.
  - 21. A medical data network comprising:

an imaging modality;

an image acquisition workstation;

a PACS network interfaced to the image acquisition workstation, the PACS network comprising a networked PACS image database, display workstation, and preprocessing database, and wherein the display workstation comprises:

a processing circuit;

a PACS network interface coupled to the processing circuit; and

a software memory coupled to the processing circuit, the software memory storing instructions for:

retrieving from a PACS database raw image data delivered from an imaging modality;

selecting from a PACS database a first preprocessing function for the raw image data delivered from the imaging modality, the preprocessing function;

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processing said raw image data at the PACS display workstation by applying the first preprocessing function to the raw image data to create resultant image data.

- 22. The medical data network of claim 21, wherein the first preprocessing function is a contrast preprocessing function.
- 23. The medical data network of claim 22, wherein the contrast preprocessing function characterized by at least one of a GT, GA, GC, and GS preprocessing parameter.
- 24. The medical data network of claim 21, wherein the first preprocessing function is a frequency preprocessing function.
- 25. The medical data network of claim 24, wherein the frequency preprocessing function characterized by at least one of a RN, RE, and RT preprocessing parameter.